

Section II  
Soil and Site Information

Construction Materials Table 2  
Washabaugh County, South  
Dakota

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Aa: Lohmiller-----	80	Poor Too clayey Low content of organic matter Water erosion	0.00 0.50 0.90	Poor Low strength Shrink-swell	0.00 0.38	Poor Too Clayey	0.00
AlA: Altvan-----	90	Fair Low content of organic matter Droughty Water erosion	0.12 0.97 0.99	Good		Poor Rock fragments Hard to reclaim	0.00 0.92
AlC: Altvan-----	85	Fair Low content of organic matter Droughty Water erosion	0.12 0.97 0.99	Good		Poor Rock fragments Hard to reclaim	0.00 0.92
AvD: Anselmo-----	50	Poor Too sandy Low content of organic matter	0.00 0.12	Good		Poor Too sandy	0.00
Valentine-----	40	Poor Wind erosion Low content of organic matter Too sandy Droughty	0.00 0.12 0.28 0.71	Good		Fair Slope Too sandy	0.16 0.28
Ba: Badland-----	35	Not rated		Not rated		Not rated	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Denby-----	25	Poor Too clayey Sodium content Low content of organic matter Water erosion	0.00 0.00 0.12 0.99	Poor Low strength Shrink-swell	0.00 0.72	Poor Sodium content Too Clayey	0.00 0.00
Interior-----	20	Poor Sodium content Low content of organic matter Water erosion Carbonate content	0.00 0.12 0.90 0.92	Poor Low strength Shrink-swell	0.00 0.87	Poor Sodium content Carbonate content	0.00 0.92
Bk: Badland-----	85	Not rated		Not rated		Not rated	
CaF: Canyon-----	55	Poor Droughty Depth to bedrock Low content of organic matter	0.00 0.00 0.88	Poor Depth to bedrock Slope	0.00 0.00	Poor Slope Depth to bedrock Rock fragments	0.00 0.00 0.88
Oglala-----	25	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Slope Depth to bedrock	0.00 0.58	Poor Slope	0.00
Cc: Canyon-----	50	Poor Droughty Depth to bedrock Low content of organic matter	0.00 0.00 0.88	Poor Depth to bedrock Slope	0.00 0.00	Poor Slope Depth to bedrock Rock fragments	0.00 0.00 0.88
Rock Outcrop, Sandstone-----	30	Not rated		Not rated		Not rated	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Cy: Denby-----	80	Poor Too clayey Sodium content Low content of organic matter Water erosion	0.00 0.00 0.12 0.99	Poor Low strength Shrink-swell	0.00 0.72	Poor Sodium content Too Clayey	0.00 0.00
EhF: Epping-----	50	Poor Depth to bedrock Droughty Low content of organic matter Water erosion	0.00 0.00 0.88 0.90	Poor Depth to bedrock Slope Low strength	0.00 0.00 0.22	Poor Slope Depth to bedrock	0.00 0.00
Kadoka-----	30	Fair Depth to bedrock Water erosion	0.58 0.90	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.99	Fair Slope Depth to bedrock	0.37 0.58
EkE: Epping-----	50	Poor Depth to bedrock Droughty Low content of organic matter Water erosion	0.00 0.00 0.88 0.90	Poor Depth to bedrock Low strength	0.00 0.22	Poor Depth to bedrock Slope	0.00 0.37
Kadoka-----	30	Fair Depth to bedrock Water erosion	0.58 0.90	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.99	Fair Slope Depth to bedrock	0.37 0.58
Er: Epping-----	50	Poor Depth to bedrock Droughty Low content of organic matter Water erosion	0.00 0.00 0.88 0.90	Poor Depth to bedrock Slope Low strength	0.00 0.00 0.22	Poor Slope Depth to bedrock	0.00 0.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Rock Outcrop, Sandstone-----	30	Not rated		Not rated		Not rated	
GoA: Mobridge-----	90	Fair Too clayey	0.98	Poor Low strength Shrink-swell	0.00 0.93	Fair Too Clayey	0.97
Gr: Nihill-----	80	Fair Low content of organic matter Droughty	0.12 0.91	Good		Poor Hard to reclaim Rock fragments Slope	0.00 0.00 0.04
HhA: Haverson-----	90	Fair Low content of organic matter	0.50	Fair Shrink-swell	0.87	Good	
HlA: Haverson-----	90	Fair Low content of organic matter	0.50	Fair Shrink-swell	0.87	Good	
HoA: Haverson-----	90	Fair Low content of organic matter	0.50	Fair Shrink-swell	0.87	Good	
Hs: Hisle-----	80	Poor Droughty Sodium content Low content of organic matter Depth to bedrock Salinity Water erosion	0.00 0.00 0.12 0.58 0.97 0.99	Poor Depth to bedrock Low strength	0.00 0.00	Fair Depth to bedrock	0.58

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Hv: Hoven-----	90	Poor Too clayey  Sodium content Low content of organic matter Salinity Water erosion	0.00  0.00 0.50 0.88 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00  0.00 0.12	Poor Depth to saturated zone Too Clayey Sodium content  Salinity	0.00  0.00 0.00  0.00
HwA: Huggins-----	85	Poor Too clayey Depth to bedrock Droughty	0.00 0.16 0.36	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.12	Poor Too Clayey Depth to bedrock	0.00 0.16
KaA: Kadoka-----	90	Fair Depth to bedrock Water erosion	0.58 0.90	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.99	Fair Depth to bedrock	0.58
KaB: Kadoka-----	85	Fair Depth to bedrock Water erosion	0.58 0.90	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.99	Fair Depth to bedrock	0.58
KaC: Kadoka-----	80	Fair Depth to bedrock Water erosion	0.58 0.90	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.99	Fair Depth to bedrock	0.58
KbC: Kadoka-----	55	Fair Depth to bedrock Water erosion	0.58 0.90	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.99	Fair Depth to bedrock	0.58

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Epping-----	30	Poor Depth to bedrock Droughty Low content of organic matter Water erosion	0.00 0.00 0.88 0.90	Poor Depth to bedrock Low strength	0.00 0.22	Poor Depth to bedrock	0.00
KdC: Kadoka-----	55	Fair Depth to bedrock Water erosion	0.58 0.90	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.99	Fair Depth to bedrock	0.58
Huggins-----	30	Poor Too clayey Depth to bedrock Droughty	0.00 0.16 0.36	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.12	Poor Too Clayey Depth to bedrock	0.00 0.16
KeA: Keith-----	85	Fair Low content of organic matter Water erosion	0.12 0.90	Good		Good	
KeB: Keith-----	85	Fair Low content of organic matter Water erosion	0.12 0.90	Good		Good	
KhD: Keith-----	50	Fair Low content of organic matter Water erosion	0.12 0.90	Good		Fair Slope	0.84
Colby-----	35	Fair Carbonate content Low content of organic matter Water erosion	0.46 0.50 0.90	Poor Low strength	0.00	Fair Carbonate content Slope	0.46 0.63

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
KhE: Keith-----	50	Fair Low content of organic matter Water erosion	0.12 0.90	Good		Fair Slope	0.63
Colby-----	35	Fair Carbonate content Low content of organic matter Water erosion	0.46 0.50 0.90	Poor Low strength Slope	0.00 0.50	Poor Slope Carbonate content	0.00 0.46
KrB: Keith-----	55	Fair Low content of organic matter Water erosion	0.12 0.90	Good		Good	
Rosebud-----	35	Fair Depth to bedrock Droughty Low content of organic matter Water erosion	0.58 0.85 0.88 0.99	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.99	Fair Depth to bedrock	0.58
KsC: Keith-----	40	Fair Low content of organic matter Water erosion	0.12 0.90	Good		Good	
Rosebud-----	30	Fair Depth to bedrock Droughty Low content of organic matter Water erosion	0.58 0.85 0.88 0.99	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.99	Fair Depth to bedrock	0.58
Canyon-----	20	Poor Droughty Depth to bedrock Low content of organic matter	0.00 0.00 0.88	Poor Depth to bedrock	0.00	Poor Depth to bedrock Rock fragments	0.00 0.88

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
KuC: Keith-----	45	Fair Low content of organic matter Water erosion	0.12 0.90	Good		Good	
Ulysses-----	40	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength	0.00	Good	
KyA: Swanboy-----	90	Poor Too clayey Low content of organic matter Salinity Droughty Water erosion	0.00 0.50 0.97 0.97 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey Salinity	0.00 0.00
Lm: Interior-----	80	Poor Sodium content Low content of organic matter Water erosion Carbonate content	0.00 0.12 0.90 0.92	Poor Low strength Shrink-swell	0.00 0.87	Poor Sodium content Carbonate content	0.00 0.92
Mm: Mosher-----	50	Poor Sodium content Too clayey  Low content of organic matter Salinity Water erosion	0.00 0.00  0.12 0.88 0.99	Fair Shrink-swell Depth to saturated zone	0.51 0.91	Poor Sodium content Too Clayey  Depth to saturated zone Hard to reclaim	0.00 0.00  0.91 0.98



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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Minatare-----	35	Poor Too alkaline Sodium content  Salinity  Low content of organic matter Water erosion Carbonate content	0.00 0.00  0.00  0.12 0.90 0.97	Poor Low strength Depth to saturated zone	0.00 0.53	Poor Sodium content Salinity  Depth to saturated zone Hard to reclaim  Carbonate content	0.00 0.00  0.53 0.94  0.97
OcE: Oglala-----	50	Fair Low content of organic matter Water erosion	0.50 0.90	Fair Depth to bedrock	0.58	Fair Slope	0.37
Canyon-----	30	Poor Droughty Depth to bedrock Low content of organic matter	0.00 0.00 0.88	Poor Depth to bedrock	0.00	Poor Depth to bedrock Slope Rock fragments	0.00 0.04 0.88
PeC: Pierre-----	85	Poor Too clayey Droughty Low content of organic matter Depth to bedrock Sodium content Water erosion	0.00 0.00 0.50 0.58 0.90 0.99	Poor Depth to bedrock Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Depth to bedrock Sodium content	0.00 0.58 0.90
PsE: Pierre-----	55	Poor Too clayey Droughty Low content of organic matter Depth to bedrock Sodium content Water erosion	0.00 0.00 0.50 0.58 0.90 0.99	Poor Depth to bedrock Shrink-swell Low strength  Slope	0.00 0.00 0.00  0.92	Poor Too Clayey Slope Depth to bedrock  Sodium content	0.00 0.00 0.58  0.90

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Samsil-----	30	Poor Too clayey Droughty Depth to bedrock Low content of organic matter Water erosion	0.00 0.00 0.00 0.50 0.99	Poor Depth to bedrock Shrink-swell Low strength Slope	0.00 0.00 0.00 0.92	Poor Too Clayey Depth to bedrock Slope	0.00 0.00 0.00
RkA: Keith-----	45	Fair Low content of organic matter Water erosion	0.12 0.90	Good		Good	
Richfield-----	45	Fair Too clayey Low content of organic matter Water erosion	0.05 0.88 0.90	Poor Low strength Shrink-swell	0.00 0.56	Fair Too Clayey	0.03
RkC: Keith-----	45	Fair Low content of organic matter Water erosion	0.12 0.90	Good		Good	
Richfield-----	45	Fair Too clayey Low content of organic matter Water erosion	0.05 0.88 0.90	Poor Low strength Shrink-swell	0.00 0.56	Fair Too Clayey	0.03
SpE: Samsil-----	50	Poor Too clayey Droughty Depth to bedrock Low content of organic matter Water erosion	0.00 0.00 0.00 0.50 0.99	Poor Depth to bedrock Shrink-swell Low strength Slope	0.00 0.00 0.00 0.92	Poor Too Clayey Depth to bedrock Slope	0.00 0.00 0.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Pierre-----	40	Poor Too clayey Droughty Low content of organic matter Depth to bedrock Sodium content Water erosion	0.00 0.00 0.50 0.58 0.90 0.99	Poor Depth to bedrock Low strength Shrink-swell Slope	0.00 0.00 0.00 0.92	Poor Too Clayey Slope Depth to bedrock Sodium content	0.00 0.00 0.58 0.90
Ss: Samsil-----	50	Poor Too clayey Droughty Depth to bedrock Low content of organic matter Water erosion	0.00 0.00 0.00 0.50 0.99	Poor Depth to bedrock Slope Shrink-swell Low strength	0.00 0.00 0.00 0.00	Poor Slope Too Clayey Depth to bedrock	0.00 0.00 0.00
Rock Outcrop, Soft--	30	Not rated		Not rated		Not rated	
Sw: Swanboy-----	85	Poor Too clayey Low content of organic matter Salinity Droughty Water erosion	0.00 0.50 0.97 0.97 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey Salinity	0.00 0.00
Te: Epping-----	50	Poor Depth to bedrock Droughty Low content of organic matter Water erosion	0.00 0.00 0.88 0.90	Poor Depth to bedrock Slope Low strength	0.00 0.08 0.22	Poor Slope Depth to bedrock	0.00 0.00
Mitchell-----	30	Fair Low content of organic matter Water erosion	0.50 0.90	Fair Slope	0.08	Poor Slope	0.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
TnA: Tuthill-----	45	Good		Fair No shrink-swell limitation	0.99	Good	
Anselmo-----	40	Poor Too sandy Low content of organic matter	0.00 0.12	Good		Poor Too sandy	0.00
TnC: Anselmo-----	40	Poor Too sandy Low content of organic matter	0.00 0.12	Good		Poor Too sandy	0.00
Tuthill-----	40	Good		Fair No shrink-swell limitation	0.99	Good	
TuA: Manter-----	45	Poor Too sandy Low content of organic matter	0.00 0.50	Good		Poor Too sandy Rock fragments	0.00 0.97
Tuthill-----	45	Good		Fair No shrink-swell limitation	0.99	Good	
TuB: Tuthill-----	45	Good		Fair No shrink-swell limitation	0.99	Good	
Manter-----	40	Poor Too sandy Low content of organic matter	0.00 0.50	Good		Poor Too sandy Rock fragments	0.00 0.97

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
TuC: Manter-----	40	Poor Too sandy Low content of organic matter	0.00 0.50	Good		Poor Too sandy Rock fragments	0.00 0.97
Tuthill-----	40	Good		Fair No shrink-swell limitation	0.99	Good	
Vs: Valentine-----	85	Poor Too sandy Wind erosion Low content of organic matter Droughty	0.00 0.00 0.12 0.71	Good		Poor Too sandy Slope	0.00 0.04
w: Water (less Than 40 Acres)-----	100	Not rated		Not rated		Not rated	
Wa: Wanblee-----	80	Fair Droughty Depth to bedrock Salinity Sodium content Water erosion	0.33 0.58 0.88 0.90 0.99	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.95	Poor Salinity Depth to bedrock Sodium content	0.00 0.58 0.90
We: Loup-----	50	Fair Too sandy  Low content of organic matter Droughty	0.26  0.88 0.95	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone Too sandy	0.00 0.26

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Lamo-----	30	Fair Low content of organic matter Water erosion	0.88 0.90	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.53 0.87	Fair Depth to saturated zone	0.53
Ww: Wortman-----	50	Poor Sodium content Droughty Depth to bedrock Salinity Water erosion	0.00 0.54 0.58 0.88 0.99	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.22 0.59	Poor Sodium content Salinity Depth to bedrock	0.00 0.00 0.58
Wanblee-----	30	Fair Droughty Depth to bedrock Salinity Sodium content Water erosion	0.33 0.58 0.88 0.90 0.99	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.95	Poor Salinity Depth to bedrock Sodium content	0.00 0.58 0.90

